



Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

DEC 06 2004

Alliance Medical Corporation  
c/o Ms. Moira Barton  
Senior Regulatory Affairs Specialist  
10232 South 51<sup>st</sup> Street  
Phoenix, Arizona 85044

Re: K030026

Trade Name: Reprocessed Electrophysiology (EP) Catheters & Cables

Regulation Number: 21 CFR 870.1220 & 870.2900

Regulation Name: Electrode recording catheter and Patient transducer and electrode cable  
(including connector)

Regulatory Class: Class II (two)

Product Code: NLH & DSA

Dated: April 7, 2003

Received: April 7, 2003

Dear Ms. Barton:

This letter corrects our substantially equivalent letter of May 02, 2003 regarding one of the product codes for your devices. The code was erroneously written as NHL when it should have been NLH.

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (301) 594-4646. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/dsma/dsmamain.html>

Sincerely yours,

A handwritten signature in black ink, appearing to read "B. Zuckerman for".

Bram D. Zuckerman, M.D.

Director

Division of Cardiovascular Devices

Office of Device Evaluation

Center for Devices and

Radiological Health

Enclosure

## II. Indications for Use Statement

510(k) Number (if known): K030026


**Device Name:** Alliance Medical Corporation Reprocessed Electrophysiology (EP) Catheters

**Indications for Use:** Reprocessed Electrophysiology (EP) Catheters are indicated for temporary intracardiac sensing, recording, stimulation and electrophysiological mapping of cardiac structures.

**Indications for Use:** Reprocessed electrophysiology catheter cables are indicated for use with the appropriate electrode catheter during electrophysiology studies.

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Concurrence of CDRH, Office of Device Evaluation (ODE)

  
(Division Sign-Off)  
Division of Cardiovascular Devices  
510(k) Number K030026

Prescription Use X  
(per 21 CFR 801.109)

or

Over-the-Counter Use \_\_\_\_\_

CONFIDENTIAL

Alliance Medical Corporation  
Reprocessed Electrophysiology Catheters  
Traditional 510(k)

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Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

NOV 1 2004

Alliance Medical Corporation  
c/o Ms. Moira Barton  
Regulatory Affairs Manager  
10232 South 51<sup>st</sup> Street  
Phoenix, AZ 85044

Re: K030026 - Supplemental Validation Submission  
Trade Name: See Enclosed List  
Regulation Number: 21 CFR 870.1220  
Regulation Name: Electrode Recording Catheter and Patient Transducer and Electrode  
Cable (including connector)  
Regulatory Class: Class II (two)  
Product Code: NLH & DSA  
Dated: January 2, 2003  
Received: January 3, 2003

Dear Ms. Barton:

The above-referenced premarket notification (510(k)) was cleared by the Office of Device Evaluation (ODE) on May 2, 2003. We have received your supplemental validation data as required for reprocessed single-use devices by the Medical Device User Fee and Modernization Act of 2002. After reviewing your supplemental validation data, we have determined the devices listed in the enclosure accompanying this letter are substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market these devices, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

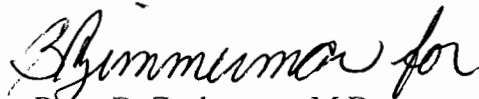
If your devices are classified (see above) into either class II (Special Controls) or class III (PMA) they may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your devices in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your devices comply with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's applicable requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

The FDA finding of substantial equivalence of your devices to legally marketed predicate devices results in classification for your devices and thus, permits you to legally market the devices. This letter will allow you to continue marketing the devices listed in the enclosure accompanying this letter.

If you desire specific advice for your devices on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (240) 276-0120. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/dsma/dsmamain.html>.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "Bram D. Zuckerman for".

Bram D. Zuckerman, M.D.

Director

Division of Cardiovascular Devices

Office of Device Evaluation

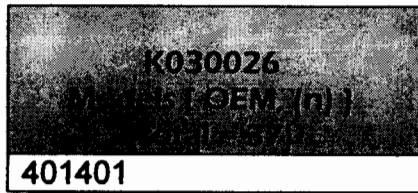
Center for Devices and

Radiological Health

Enclosures

Enclosure – List of Devices

K030026 Models (OEM # (n)) (Total = 37)	
Daig (37)	
401206	
401210	
401211	
401222	
401223	
401225	
401226	
401227	
401228	
401260	
401261	
401262	
401275	
401276	
401281	
401287	
401305	
401306	
401309	
401311	
401328	
401353	
401356	
401357	
401362	
401379	
401380	
401381	
401382	
401383	
401386	
401389	
401392	
401393	
401399	
401400	



MAY - 2 2003

K030026  
01/2



ALLIANCE  
MEDICAL CORPORATION

## PART B: 510(k) SUMMARY

10232 South 51st Street  
Phoenix, Arizona 85044

TEL 480.763.5300  
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Toll Free 888.888.3433  
www.alliance-medical.com

**Submitter:** Alliance Medical Corporation  
10232 South 51<sup>st</sup> Street  
Phoenix, Arizona 85044

**Contact:** Moira Barton  
Senior Regulatory Affairs Specialist  
(480) 763-5300 (o)  
(480) 763-5310 (f)

**Date of preparation:** 12/30/2002

**Name of device:** *Trade/Proprietary Name:* Reprocessed Electrophysiology Catheter  
*Common or Usual Name:* Electrophysiology Catheter or Electrode Recording Catheter  
*Classification Name:* Electrode Recording Catheter

**Predicate device(s):** Daig Response™ legally marketed Electrophysiology Catheter devices under various 510(k) premarket notifications.

K894500 Daig Electrophysiology Catheter  
K913940 Response™ Steerable Catheter  
K942379 Daig Diagnostic Electrophysiology Catheter  
K002976 Daig Electrophysiology Catheter - Response™ and Supreme™  
K012708 Reprocessed Electrophysiology Catheters

**Device description:** Diagnostic electrophysiology (EP) catheters are specially designed electrode catheters that transmit electrical impulses and can be positioned for endocardial recording or stimulation. Diagnostic EP catheters incorporate a handpiece, a flexible shaft and a distal tip section containing diagnostic electrodes. The distal tips of deflectable catheters can be deflected into a curve by manipulating the handpiece; fixed curve catheters have an established distal tip shape.

**Intended use:** Reprocessed Electrophysiology Catheters are intended for temporary intracardiac sensing, recording, stimulation, and electrophysiological mapping of cardiac structures.

**Indications statement:** Reprocessed diagnostic EP catheters are indicated for temporary intracardiac sensing, recording, stimulation and electrophysiological mapping of cardiac structures.

Reprocessed electrophysiology catheter cables are indicated for use with the appropriate electrode catheter during electrophysiology studies.



**Technological characteristics:**

The design, materials, and intended use of Reprocessed Electrophysiology (EP) Catheters and Electrophysiology Catheter Cables are identical to the predicate devices. The mechanism of action is identical to the predicate devices in that the same standard mechanical design, materials and sizes are utilized. There are no changes to the claims, intended use, clinical applications, patient population, performance specifications, or method of operation.

Alliance Medical Corporation's reprocessing of electrophysiology catheters includes removal of adherent visible soil and decontamination. Each individual electrophysiology catheter is tested for appropriate function of its components prior to packaging and labeling operations.

**Performance data:**

Bench and laboratory testing was conducted to demonstrate performance (safety and effectiveness) of the Reprocessed Electrophysiology (EP) Catheters.

- Biocompatibility
- Validation of reprocessing
- Sterilization Validation
- Function test(s)

Performance testing demonstrates that Reprocessed Electrophysiology (EP) Catheters perform as originally intended.

**Conclusion:**

Alliance Medical Corporation concludes that the modified device (the Reprocessed Electrophysiology (EP) Catheter) is safe, effective and substantially equivalent to the predicate devices as described herein.